

## INTERNATIONAL SEARCH REPORT

PCT/IB2004/051794

**A. CLASSIFICATION OF SUBJECT MATTER**  
**IPC 7 G01N33/543**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 G01N**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BERGGREN C ET AL: "CAPACITIVE BIOSENSORS"            ELECTROANALYSIS, VHC PUBLISHERS, INC, US,            vol. 13, no. 3, 2001, pages 173-180,            XP009027966            ISSN: 1040-0397            the whole document            figure 1B            page 173, paragraph 1            page 174, column 1            page 178, paragraph 3.1</p> <hr/> <p style="text-align: center;">-/-</p>	1-22

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## ° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

19 November 2004

Date of mailing of the international search report

02/12/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TAYLOR R F ET AL: "An acetylcholine receptor-based biosensor for the detection of cholinergic agents" ANALYTICA CHIMICA ACTA 1988 NETHERLANDS, vol. 213, no. 1-2, 1988, pages 131-138, XP008039087 ISSN: 0003-2670 the whole document figure 1 page 133, paragraph 3 -----	1-22
X	TAYLOR R F ET AL: "ANTIBODY-BASED AND RECEPTOR-BASED BIOSENSORS FOR DETECTION AND PROCESS CONTROL" ANALYTICA CHIMICA ACTA, vol. 249, no. 1, 1991, pages 67-70, XP008038908 & 3RD INTERNATIONAL SYMPOSIUM ON ANALYTICAL METHODS IN BIOTECHNOLOGY-ANABIOTEC 90, BURLINGAME, CALIFORNIA ISSN: 0003-2670 the whole document figures 1,3 -----	1-22
X	US 2002/076690 A1 (MILES ROBIN R ET AL) 20 June 2002 (2002-06-20) the whole document figures 1,2 paragraph '0030! -----	1-22
X	KATZ E ET AL: "PROBING BIOMOLECULAR INTERACTIONS AT CONDUCTIVE AND SEMICONDUCTIVE SURFACES BY IMPEDANCE SPECTROSCOPY: ROUTES TO IMPEDIMENTRIC IMMUNOSENSORS, DNA-SENSORS, AND ENZYME BIOSENSORS" ELECTROANALYSIS, VHC PUBLISHERS, INC, US, vol. 15, no. 11, July 2003 (2003-07), pages 913-947, XPO09021944 ISSN: 1040-0397 the whole document page 916, column 1 - page 917, column 2 figure 3B -----	1-22
X	WO 02/31463 A (MOTOROLA INC) 18 April 2002 (2002-04-18) the whole document figures 5,7 claims 8,9 -----	1-22

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2002076690	A1 20-06-2002	US 2002150886	A1 17-10-2002	
WO 0231463	A 18-04-2002	AU 3038102 A WO 0231463 A2 US 2002090649 A1		22-04-2002 18-04-2002 11-07-2002